

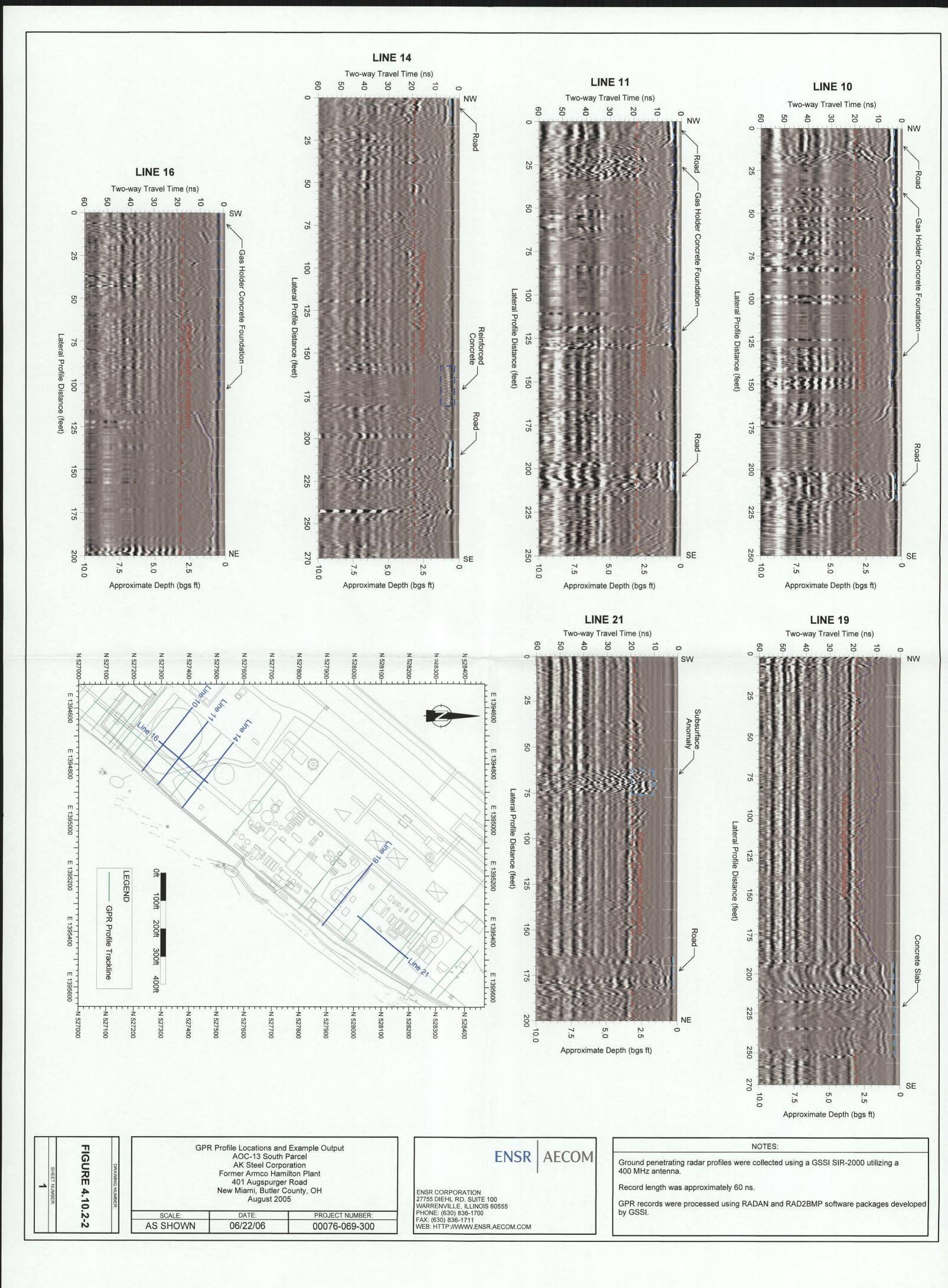
DRAFT FINAL REMEDIAL INVESTIGATION REPORT FOR THE FORMER ARMCO HAMILTON PLANT SITE 401 Augspurger Road, New Miami, Ohio

FIGURES Figures 4.0.2-8 – 4.16.1-4

Volume 6 of 10



November 2008



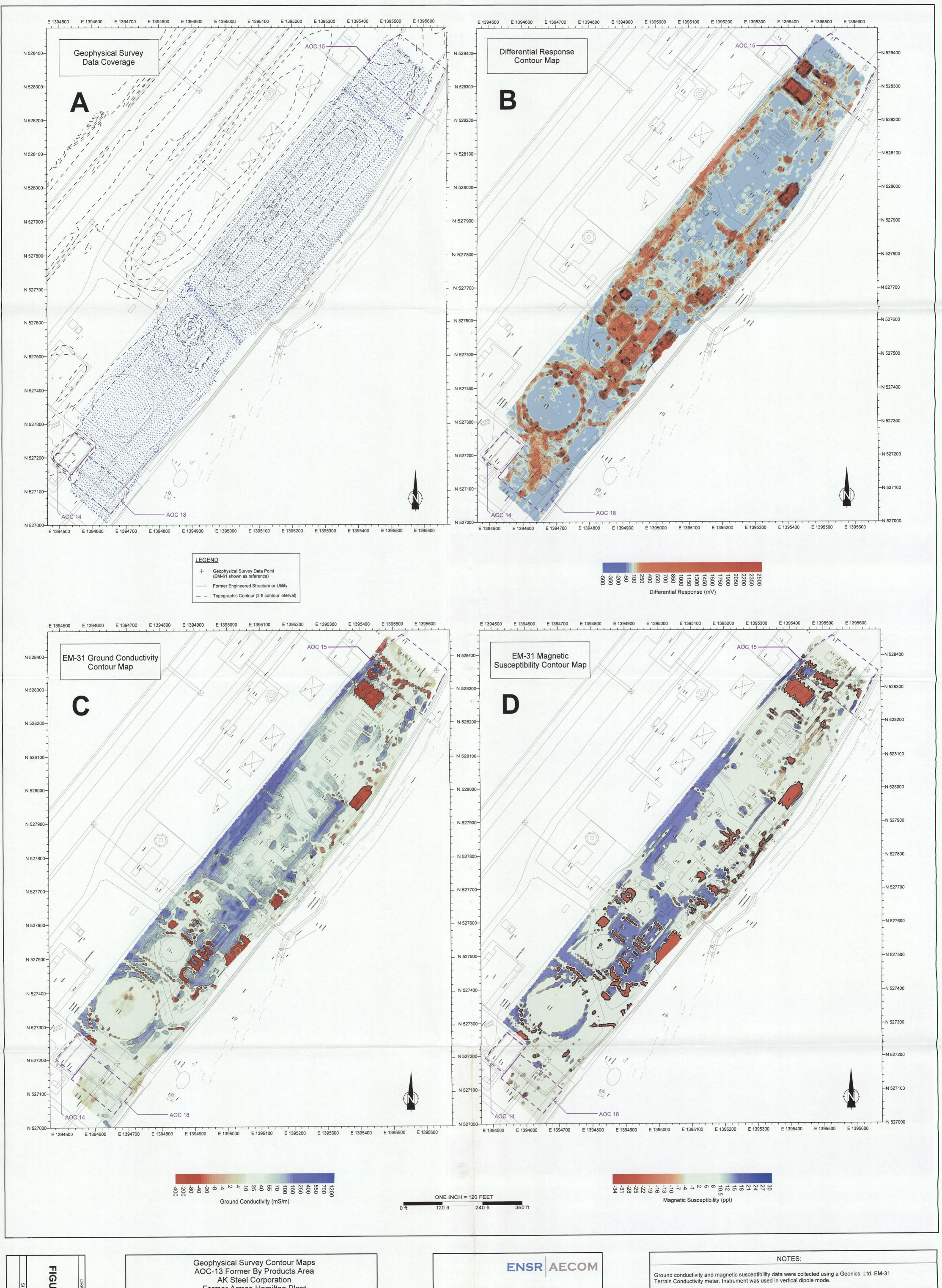


FIGURE 4.10.2-1

Former Armco Hamilton Plant 401 Augspurger Road New Miami, Butler County, OH August 2005 PROJECT NUMBER: DATE:

00076-069-300

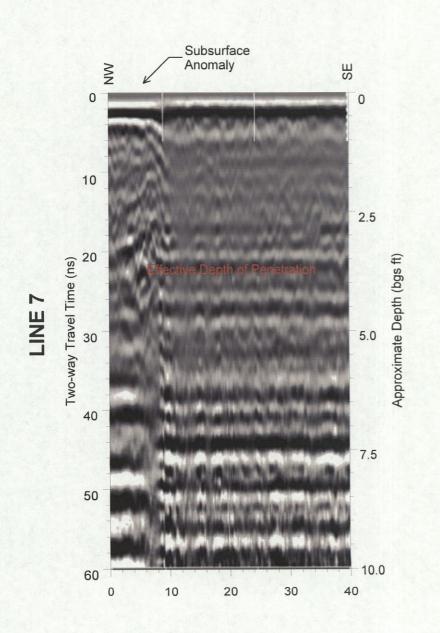
06/22/06

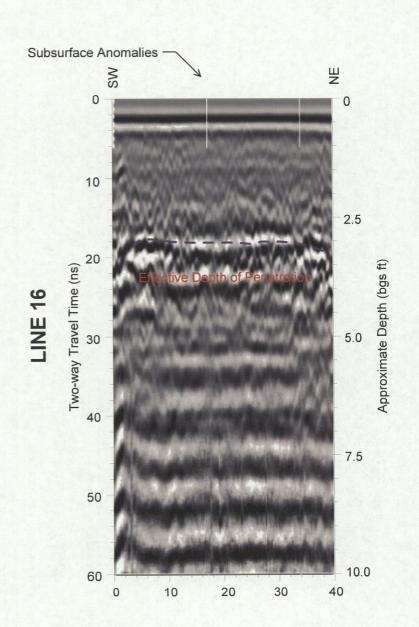
SCALE: AS SHOWN

ENSR CORPORATION 27755 DIEHL RD. SUITE 100 WARRENVILLE, ILLINOIS 60555 PHONE: (630) 836-1700 FAX: (630) 836-1711 WEB: HTTP://WWW.ENSR.AECOM.COM Differential response electromagnetic data were collected using a Geonics, Ltd. EM-61 high sensitivity metal detector with 1.0 \times 0.5 meter coils.

Position control was maintained using a Trimble GeoXT Differential GPS (DGPS) in Ohio South State Plane coordinate system, NAD83 Geodetic Datum.

Data collection profile spacing was approximately 5 feet with station spacing at approximately 2.5 feet.







LEGEND

GPR Profile Trackline

SHEET NUMBER:	FIGURE 4.8.2-2	DRAWING NUMBER:
---------------	----------------	-----------------

GPR Profile Locations and Example Output
AOC 11 - South Parcel
AK Steel Corporation
Former Armco Hamilton Plant
401 Augspurger Road
New Miami, Butler County, OH
August 2005

DATE: PROJECT NUMB:R:

 SCALE:
 DATE:
 PROJECT NUMB:R:

 AS SHOWN
 6/22/06
 00076-069-300

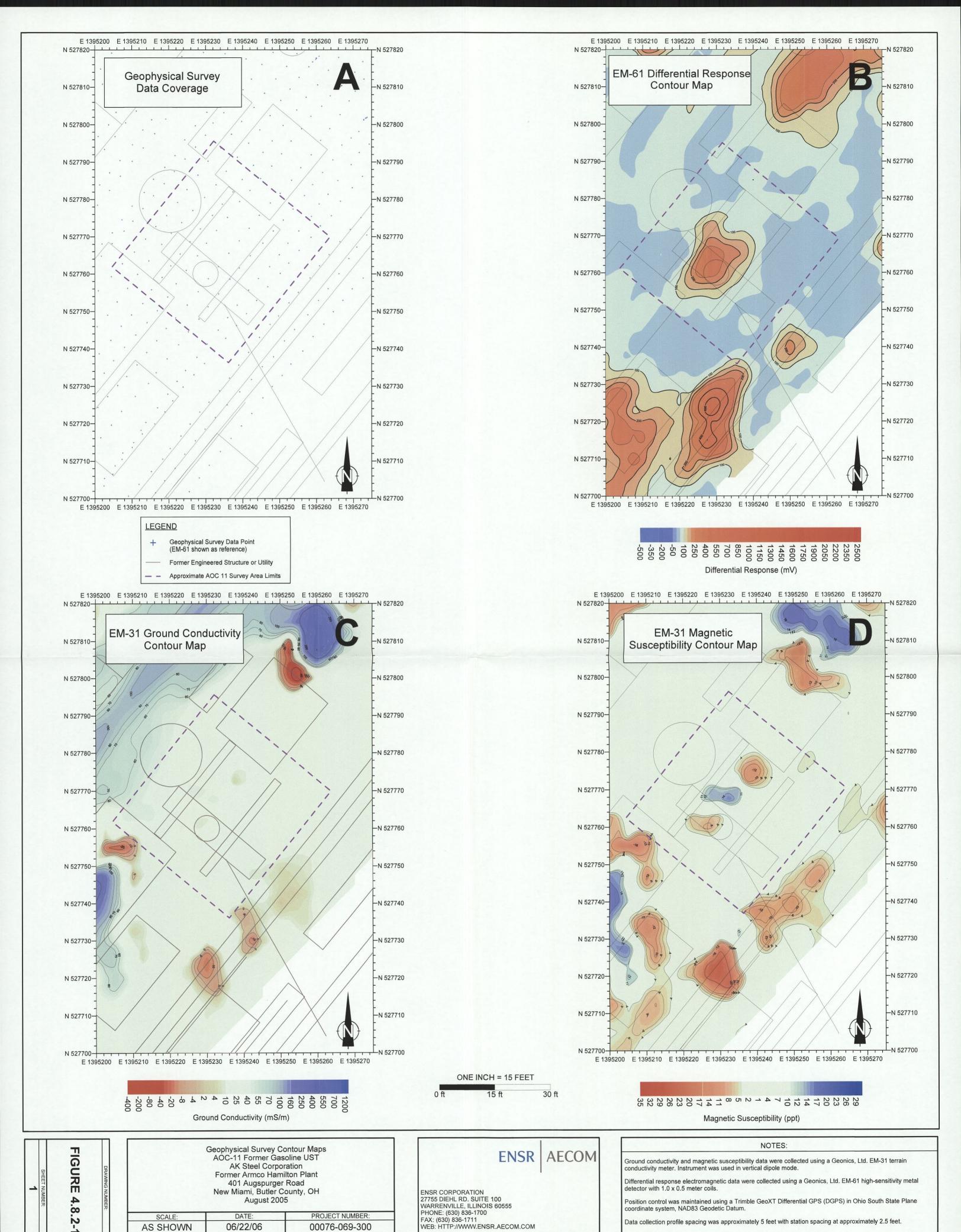
ENSR CORPORATION
27755 DIEHL RD. SUITE 100
WARRENVILLE, ILLINOIS 60555
PHONE: (630) 836-1700
FAX: (630) 836-1711
WEB: http://www.ensr.aecom.com

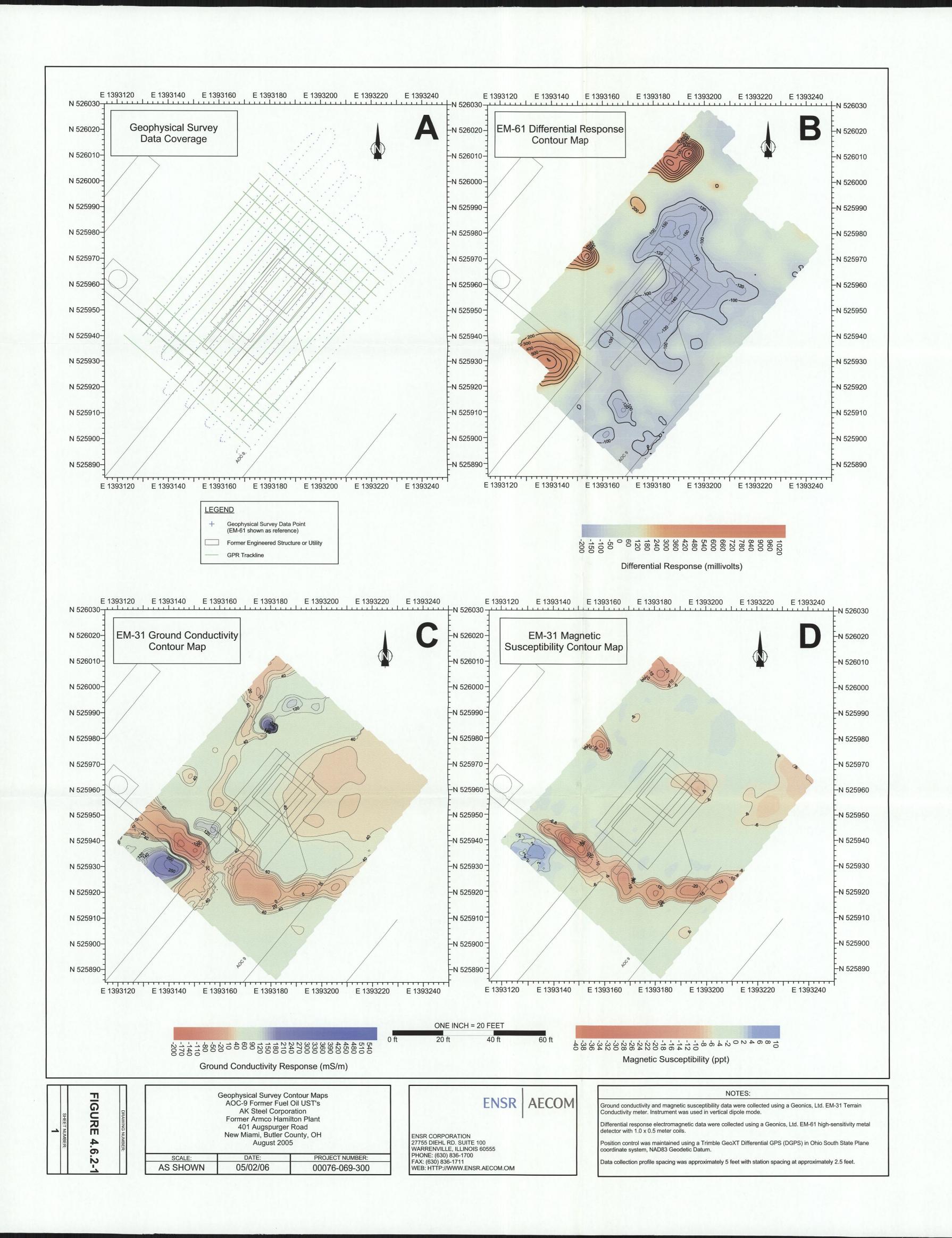
NOTES:

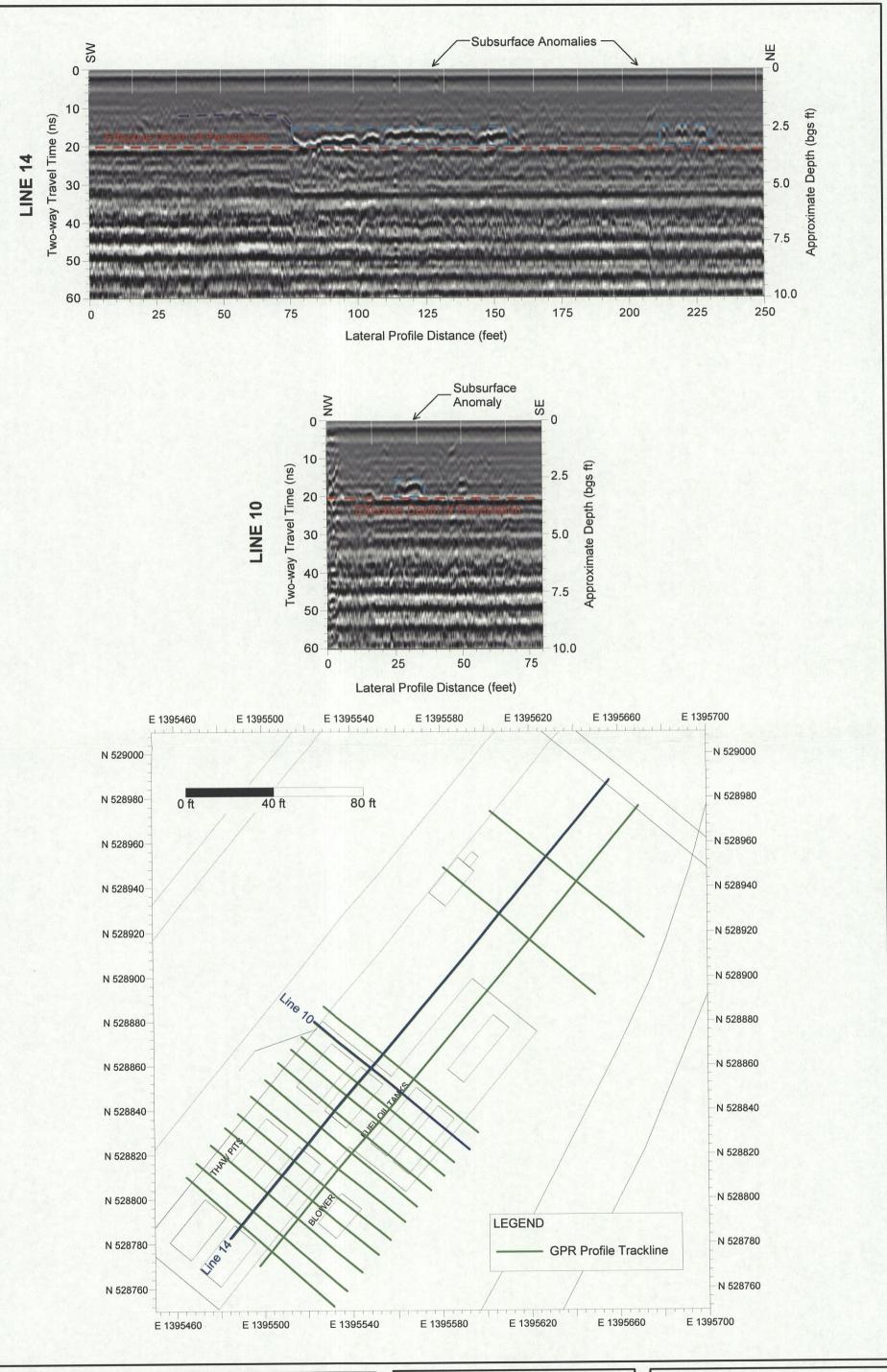
Ground Penetrating Radar profiles were collected using a GSSI SIR-2000 utilizing a 400 MHz antenna.

Record length was approximately 60 ns.

GPR records were processed using RADAN and RAD2BMP software packages developed by GSSI.







1	SHEET NUMBER:	FIGURE 4.5.2-2	DRAWING NUMBER:
		2	

GPR Profile Locations and Example Output AOC 8 - South Parcel AK Steel Corporation Former Armco Hamilton Plant 401 Augspurger Road New Miami, Butler County, OH August 2005			
SCALE:	DATE:	PROJECT NUMBER:	
AS SHOWN	6/22/06	00076-069-300	

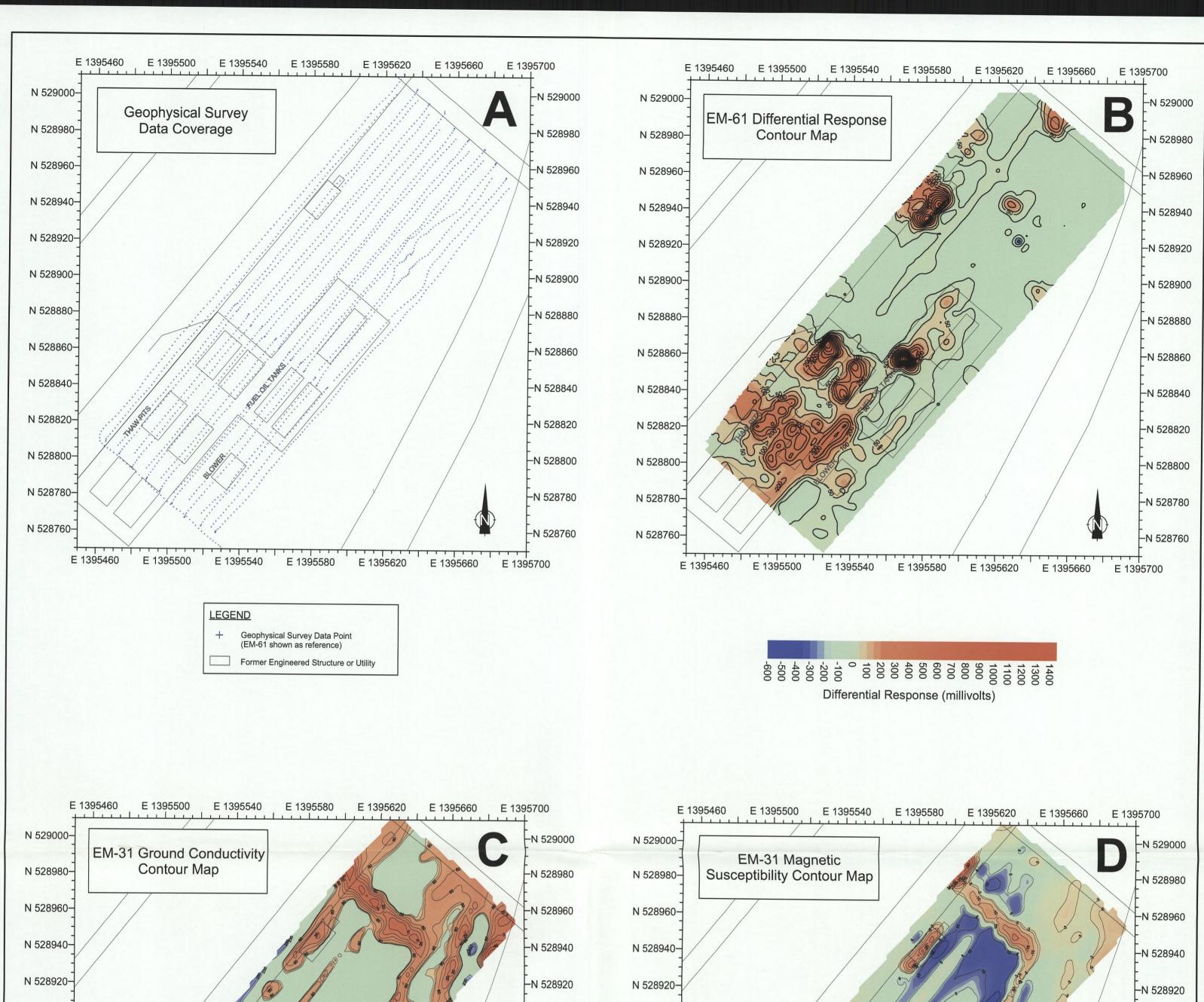
	ENSR	AECOM	
ENSR CORPORATION 27755 DIEHL RD. SUITE 100 WARRENVILLE, ILLINOIS 60555 PHONE: (630) 836-1700 FAX: (630) 836-1711 WEB: HTTP://WWW.ENSR.AECOM	1.COM		

_		
NO	TES:	

Ground Penetrating Radar profiles were collected using a GSSI SIR-2000 utilizing a 400 MHz antenna.

Record length was approximately 60 ns.

GPR records were processed using RADAN and RAD2BMP software packages developed by GSSI.



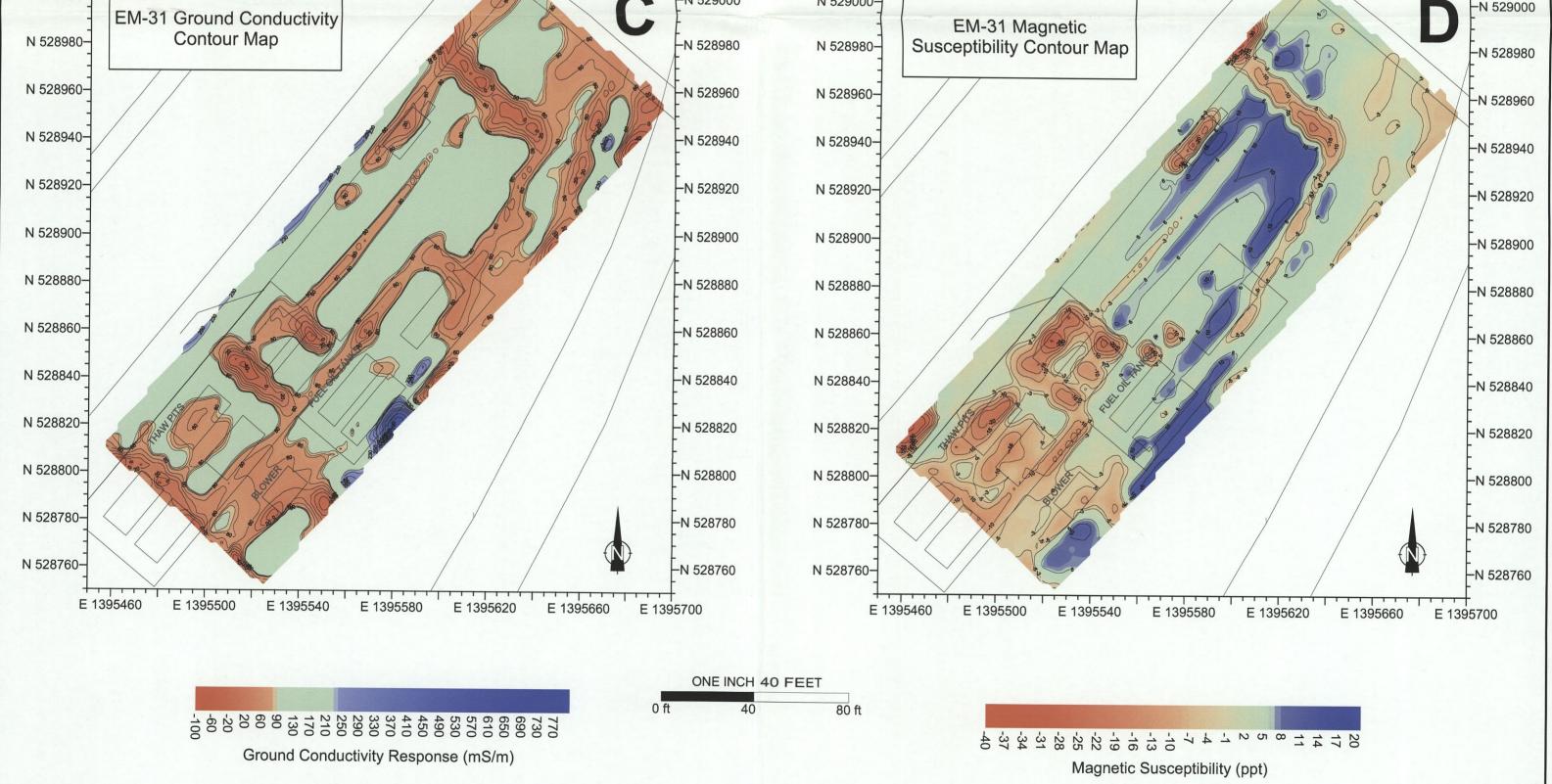


FIGURE 4.5.2-1

Geophysical Response Contour Maps
AOC-8 Former Railcar Thaw and Former Fuel Oil UST Area
AK Steel Corporation
Former Armco Hamilton Plant
401 Augspurger Road
New Miami, Butler County, OH
August 2005

SCALE: DATE: PROJECT NUMBER: AS SHOWN 05/02/06 00076-069-300

ENSR | AECOM

ENSR CORPORATIN 27755 DIEHL RD. SITE 100 WARRENVILLE, ILLNOIS 60555 PHONE: (630) 836-100 FAX: (630) 836-1711 WEB: HTTP://WWWENSR.AECOM.COM

NOTES:

Ground conductivity and magnetic susceptibility data were collected using a Geonics, Ltd. EM-31 Terrain Conductivity meter. Instrument was used in vertical dipole mode.

Differential response electromagnetic data were collected using a Geonics, Ltd. EM-61 high-sensitivity metal detector with 1.0 x 0.5 meter coils.

Position control was maintained using a Trimble GeoXT Differential GPS (DGPS) in Ohio South State Plane coordinate system, NAD83 Geodetic Datum.

Data collection profile spacing was approximately 5 feet with station spacing at approximately 2.5 feet.

